

AMENDMENTS TO THE CLAIMS

The listing of the claims replaces all prior versions, and listings, of the claims in this application.

Listing of the Claims:

1. (Currently Amended) A method for identifying related triples in a ~~in a~~ resource description framework (RDF) data set, comprising:

A. executing the sub-steps of

- (i) identifying as related a triple substantially matching a criteria;
- (ii) identifying as related a triple that is a direct ancestor of a triple identified in any of sub-steps in step A, and that is not in substantial conflict with the criteria;

where, for purposes hereof, a triple whose object is the subject of another triple is deemed a direct ancestor of that other triple, and, conversely, where a triple whose subject is the object of another triple is deemed a direct descendent of that other triple;

- (iii) identifying as related a triple ~~triples~~ (hereinafter “identified descendent”) that is a direct descendent of a triple (hereinafter “identified ancestor”) identified as related in any of sub-steps in step A, and which identified descendent

- (a) is not associated with the identified ancestor via a predicate substantially matching a predicate named in the criteria, if any, and

- (b) is not in substantial conflict with the criteria;

- (c) is not associated with the identified ancestor via a predicate matching a predicate by which the identified ancestor is associated with a triple, if any, as a result of which the identified ancestor was identified during execution of sub-step (ii),

B. generating an indication of ~~RDF~~ triples identified as related in step (A).

2. (Canceled)
3. (Canceled)
4. (Original) The method of claim 1, comprising executing any of the sub-steps of step (A) any of serially, in parallel, or recursively.
5. (Original) The method of claim 1, further comprising executing any of the sub-steps of step (A) using a rule-based engine.
6. (Original) The method of claim 5, wherein the rule-based engine uses a Rete algorithm to effect execution of one or more of the sub-steps of step (A).
7. (Currently Amended) The method of claim 1, wherein the resource description framework comprises of a data flow.
8. (Original) The method of claim 7, wherein the data flow comprises any of transactional information and enterprise-related information.
9. (Original) The method of claim 1, comprising

executing step (A) with respect to a first data set representing a first portion of the directed graph, and

executing step (A) separately with respect to a second data set representing a second portion of the directed graph.
10. (Original) A method of claim 9, wherein the second data set comprises an update to the first data set.
- 11-41 Canceled
42. (Currently Amended) A method for identifying related triples in a ~~in a~~ resource description framework (RDF) data set, comprising:
 - A. executing the sub-steps of

- (i) identifying as related a triple that is a direct ancestor of a triple identified in any of sub-steps of ~~in~~ step A, and that is not in substantial conflict with the criteria;

where, for purposes hereof, a triple whose object is the subject of another triple is deemed a direct ancestor of that other triple, and, conversely, where a triple whose subject is the object of another triple is deemed a direct descendent of that other triple;

- (ii) identifying as related a triple ~~triples~~ (hereinafter “identified descendent”) that is a direct descendent of a triple (hereinafter “identified ancestor”) identified as related in any of ~~in~~ sub-steps of step A, and which identified descendent

- (a) is not associated with the identified ancestor via a predicate substantially matching a predicate named in the criteria, if any, and
- (b) is not in substantial conflict with the criteria;
- (c) is not associated with the identified ancestor via a predicate matching a predicate by which the identified ancestor is associated with a triple, if any, as a result of which the identified ancestor was identified during execution of sub-step (ii),

- B. generating an indication of ~~RDF~~ triples identified as related in step (A).